

SECTION V.—BIBLIOGRAPHY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Professor in charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

Alcubé y Arenas, Eduardo.

El clima de Barcelona. Resumen climatológico del primer decenio del siglo XX (años de 1901 a 1910 inclusive), según los datos registrados en el Observatorio meteorológico de la Universidad de Barcelona. Barcelona. 1914. 42 p. 6 pls. 4°. (Memorias de la Real academia de ciencias y artes de Barcelona, 3^a época, v. 11, núm. 10.)

Barnes, H. T.

The crushing strength of ice. Ottawa. 1914. 19-22 p. 2 pl. 8°. (From the Transactions of the Royal society of Canada, 3d ser., 1914, v. 8.)

Barnes, H. T., Hayward, J. W., & McCleod, Norman.

The expansive force of ice. Ottawa. 1914. 29-49 p. 8°. (From the Transactions of the Royal society of Canada, 3d ser., 1914, v. 8.)

Cramp, William.

Some notes on the measurement of air velocities, pressures and volumes. Manchester. 1914. 16 p. 8°. (From v. 58, pt. 2, of Memoirs and proceedings of the Manchester literary and philosophical society, sess. 1913-14.)

Eredia, Filippo.

La nebulosità in Italia. Roma. 1914. 38 p. f°. (Estratto dagli Annali del R. Ufficio centrale di meteorologia e geodinamica, v. 35, parte 1, 1913.)

Eredia, Filippo, & Castro, L. de.

Sulla climatologia dell' Etiopia. Roma. 1914. 44 p. 8°. (Estratto dal Bollettino della Reale società geografica, fasc. 8, 1914, p. 845-884.)

France. Service hydrométrique du Bassin de la Seine.

Observations sur les cours d'eau et la pluie, centralisées pendant l'année 1912-13. [Paris. 1914.] 7 charts. f°.

Résumé des observations centralisées pendant l'année 1912-13. Paris. 1914. 21 p. f°.

Hamburg. Deutsche Seewarte.

Schlüssel zu den Wettertelegrammen der deutschen meteorologischen Stationen an die Deutsche Seewarte, nebst Angabe der deutschen Abonnement-Wettertelegramme. [Hamburg. 1914.] 6 p. 4°.

Hann, J[ulius] v.

Meteorologie von Fernando de Noronha, einer kleinen ozeanischen äquatorialen Insel. Wien. 1914. 46 p. 8°. (Aus den Sitzungsberichten der Kaiserl. Akademie der Wissenschaften in Wien, Mathem.-naturw. Klasse, Bd. 123, Abt. IIa, Juni 1914.)

Hunt, H[enry] A., Taylor, Griffith, & Quayle, E. T.

The climate and weather of Australia. Melbourne. 1913. 93 p. plates. 8°. (Australia. Commonwealth bureau of meteorology. [Publication].)

International institute of agriculture.

Rapport pour l'Assemblée générale de 1913 sur la question n. 7 du programme concernant la météorologie agricole. Avec annexes. Rapporteur: Louis-Dop. Rome. 1913. 135 p. 8°.

Rapport pour l'Assemblée générale de 1913 sur la question n. 9^a du programme concernant l'assurance contre les risques de la grêle. Rapporteur: O. Bolle. Rome. 1913. iv, 38 p. 8°.

Jameson, P. R.

The thermometer and its family tree. Rochester, N. Y. [c1914.] 24 p. 12°. (Published by the Taylor instrument companies.)

Manley-Bendall.

Il servizio meteorologico degli Stati Uniti . . . Traduzione de Giovanni Magrini. Venezia. 1914. 39 p. plates. 4°. (Venice. Ufficio idrografico. Pubblicazione n. 59.)

Perret, Robert.

La géographie de Terre-Neuve. Paris. 1913. vi, 372 p. plates. 8°. [Chap. iv: Le climat.]

Pettersson, O.

Studien in der Geophysik und der kosmischen Physik. (Vorläufige Mitteilung.) Berlin. [1914.] 31 p. 4 pl. 4°. (S. A. Annalen der Hydrographie usw., herausg. von der Deutschen Seewarte in Hamburg, 1914, Band 42, Heft 3 bis 5.)

Stok, J[joh]. P[aulus] van der.

On the relation between the cloudiness of the sky and the duration of sunshine. [Amsterdam.] 1913. 15 p. 4°. (Reprinted from: K. Akademie van wetenschappen te Amsterdam. Proceedings of the meeting of Saturday, November 29, 1913, v. 16, p. 507-521.)

The treatment of frequencies of directed quantities. [Amsterdam.] 1914. 12 p. 4°. (Reprinted from: K. Akademie van wetenschappen te Amsterdam. Proceedings of the meeting of Saturday, September 26, 1914, v. 17, p. 586-597.)

Tuttle, Charles R.

Alaska; its meaning to the world; its resources; its opportunities. Seattle. 1914. 318 p. plates. 8°. [Climate, p. 117-124; also scattered references.]

Venice. Ufficio idrografico.

Carta annuale delle piogge nella regione veneta per il 1913. Venice. 1914. 50 p. map. 4°. (Pubblicazione n. 61.)

Wallén, Axel.

Om af dunstningsbestämningar. Stockholm. 1914. 6 p. f°. (Sweden. Hydrografiska byrån. [Publication.] Särtryck ur Teknisk tidskrift, Vag- och vattenbyggnadskonst 1914, häft 10.)

Om korrelationsmetoden och dess användning. Stockholm. 1914. 8 p. f°. (Sweden. Hydrografiska byrån. [Publication.] Särtryck ur Teknisk tidskrift, Veckouppplagan 1914, häft 42.)

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZHUGH TALMAN, Professor in charge of Library.

The subjoined titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

Aeronautical journal. London. v. 18. October, 1914.

Hankin, E. H. Atmospheric rotary movements of small extent. p. 344-353.

Association of American geographers. Annals. Washington, Conn. v. 3. 1913.

Shelford, V. E. The significance of evaporation in animal geography. p. 29-43.

Association of American geographers. Annals. Washington, Conn. v. 4. 1914.

Ward, Robert De Courcy. The weather element in American climates. p. 3-54.

Engineering news. New York. v. 72. December 31, 1914.

A snow-removal plan for New York City. p. 1310-1311.

Plant world. Baltimore. v. 17. June, 1914.

Shaw, Harry B. An improved cog psychrometer. p. 183-185.

Royal astronomical society of Canada. Journal. Toronto. v. 8. September-October, 1914.

Steadworthy, A. Spectrum of lightning. p. 345-348.

Royal institution of Great Britain. Proceedings. London. v. 20. 1914.

Barnes, Howard T. Icebergs and their location in navigation. p. 523-542. (pt. 2.)

Cave, Charles J. P. The winds in the free air. p. 717-726. (pt. 3.)

- Scientific American.* New York. v. 111. December 26, 1914.
 Michaud, G., & Tristan, J. F. Air transparency for infra-red rays. Application of those rays to telephotography. p. 521; 531.
- Scottish geographical magazine.* Edinburgh. v. 30. October, 1914.
 Wallis, B. C. The rainfall régime of Australia. p. 527-532.
- Symons's meteorological magazine.* London. v. 49. 1914.
 Hays, W. H., & Clavton, H. H. The practical utility of a world bureau of meteorology. p. 176-178. (Nov.)
 Aldridge, E. J. Visibility. p. 179-180. (Nov.)
 Brodie, Fredk. J. Seasonal limits. p. 182-183. (Nov.)
 [Mill, Hugh Robert.] Meteorology in New Zealand. p. 189-192. (Dec.)
- Terrestrial magnetism and atmospheric electricity.* Baltimore. v. 19. December, 1914.
 Swann, W. F. G. On certain matters relating to the theory of atmospheric electric measurements. p. 205-218.
- Hewlett, C. W. Investigation of certain causes responsible for uncertainty in the measurement of atmospheric conductivity by the Gerdien conductivity apparatus. p. 219-233.
- Annalen der Hydrographie und maritimen Meteorologie.* Berlin. 42. Jahrg. 1914.
 Schuster, F. Die Aenderung des Luftdruckes in nonperiodischen Wellensystemen und deren Interferenz. p. 432-438. (H. 8.)
 Köhler. Über Norder an der Ostküste von Mexiko. p. 574-575. (H. 10.)
- Dickermann, Carl. Die Windverhältnisse an der vorpommerschen Küste mit besonderer Berücksichtigung der Anemometer-Beobachtungen von Wustrow 1887 bis 1910. p. 581-595. (H. 11.)
- Herrmann, Ernst. Zu "System der Einwirkung von Sonne und Mond auf die atmosphärischen Vorgänge und seine Auswertung." p. 603-609. (H. 11.)
- Meteorologische Zeitschrift.* Braunschweig. Band 31. Oktober, 1914.
 Dietzius, R. Das dynamische Meter. p. 465-474.
 Hann, Julius v.] Die gleichzeitigen Luftdruck- und Temperaturänderungen in 3 km. Seehöhe nach fünfjährigen täglichen Beobachtungen, p. 474-478.
 Würschmidt, Joseph. Die Theorie des Regenbogens und des Halo bei Ibn al Haṭam und bei Dietrich von Greiburg. p. 484-487.
- Schmidt, Wilhelm. Über den Donner. p. 487-498. [See this REVIEW, December, 1914.]
- Hirsch, Paul. Ein Diagramm zur barometrischen Höhenrechnung. p. 506-508.
- Wetter.* Berlin. 31. Jahrgang. Oktober 1914.
 Defant, A[bert]. Druckänderungen am Meeresniveau und die Temperaturen auf den Höhenstationen. p. 217-222.
 Beukemann, A. Vorboten und Folgeerscheinungen von Stürmen. p. 224-229.
 Fischer, Rudolf. Der Einfluss des Mondes auf die Gewitterhäufigkeit. p. 236-240.
- Pontifica accademia romana dei Nuovi Lincei. Memorie.* Roma. v. 31. 1913.
 Negro, Carlo. Prolegomeni ad uno studio sul clima della Libia attraverso i tempi storici. p. 57-104.
 Dechevrens, Marc. Les ondes hertziennes atmosphériques enregistrées à Jersey, à l'Observatoire St. Louis, de décembre à avril 1913. p. 105-139.
 Martinelli, G. Considerazioni sugli ipocentri sismici. p. 211-224.
 Galli, Ignazio. Effetti dei fulmini globulari sugli alberi e sulle erbe. p. 225-294.
- Reale società geografica. Bollettino.* Roma. ser. 5. v. 3. Agosto 1914.
 Eredia, F[ilippo], & Castro, L. de. Sulla climatologia dell'Etiopia. p. 845-884.